

MARKED VERSION OF AMENDED CLAIMS - OZ 50723

3. A process as claimed in claim 1 [claims 1 to 2], wherein, in the reaction with phosgene, a molar amount of N,N-disubstituted formamide (I) of 0.05 to 2.0, based on the molar amount of carboxylic acid employed, is used.

4. A process as claimed in claim 1 [claims 1 to 2], wherein, in the reaction with thionyl chloride, a molar amount of N,N-disubstituted formamide (I) of 0.001 to 0.05, based on the molar amount of carboxylic acid employed, is used.

5. A process as claimed in claim 1 [claims 1 to 4], wherein, during the reaction, a molar amount of phosgene or thionyl chloride of 1.0 to 2.0, based on the molar amount of carboxylic acid, is used.

6. A process as claimed in claim 1 [claims 1 to 5], wherein the molar proportion of the catalyst adduct of the N,N-disubstituted formamide (I) and phosgene or thionyl chloride, based on the molar amount of N,N-disubstituted formamide (I) plus catalyst adduct, is less than 0.3 after the reaction.

7. A process as claimed in claim 1 [claims 1 to 5], wherein the molar proportion of the catalyst adduct of the N,N-disubstituted formamide (I) and phosgene or thionyl chloride, based on the molar amount of N,N-disubstituted formamide (I) plus catalyst adduct, is less than 0.1 after the reaction.

8. A process as claimed in claim 1 [claims 1 to 7], wherein the carbonyl chloride is isolated from the reaction mixture following the reaction by phase separation.

9. A process as claimed in claim 1 [claims 1 to 8], wherein the N,N-disubstituted formamide (I) used is N,N-dimethylformamide.

10. A process as claimed in claim 1 [claims 1 to 9], wherein, following the reaction, the N,N-disubstituted formamide (I), its hydrochloride and catalyst adduct are separated off and reused as catalyst precursor in the carbonyl chloride synthesis.

11. A process as claimed in claim 1 [claims 1 to 10], wherein the carboxylic

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acids are reacted with phosgene.

12. A process as claimed in claim 1 [claims 1 to 11], wherein the carbonyl chlorides prepared are acetyl chloride, propionyl chloride, butyryl chloride, valeryl chloride, isovaleryl chloride, pivaloyl chloride, caproyl chloride, 2-ethylbutyryl chloride, enanthyl chloride, capryloyl chloride, 2-ethylhexanoyl chloride, pelargonoyl chloride, isononanoyl chloride, capryl chloride, neodecanoyl chloride, lauroyl chloride, myristoyl chloride, palmitoyl chloride, stearoyl chloride, oleoyl chloride, linoleoyl chloride, linolenoyl chloride, arachidoyl chloride and behenoyl chloride, and mixtures thereof.

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